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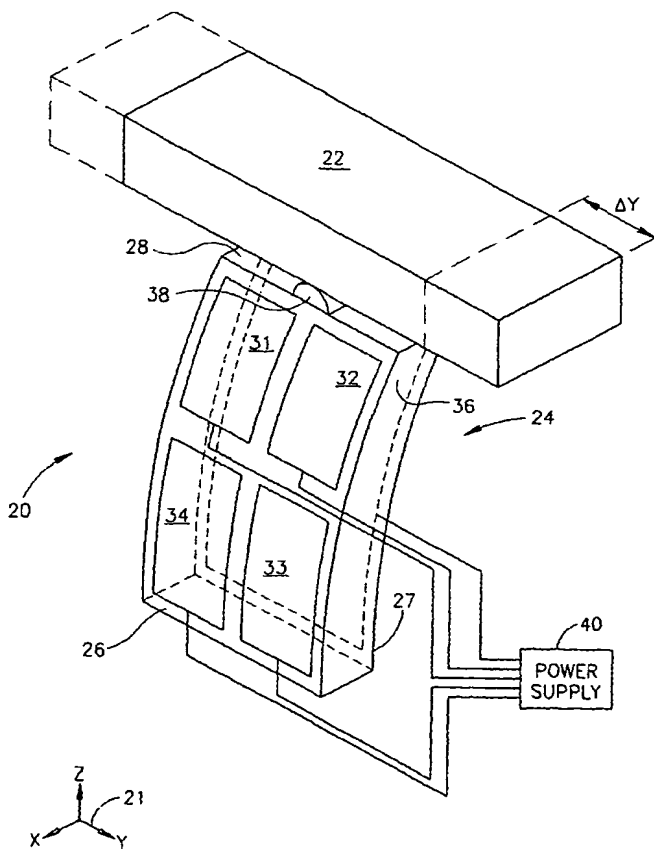
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(54) Title: HIGH RESOLUTION PIEZOELECTRIC MOTOR



(57) Abstract: A piezoelectric motor for moving and positioning a load, the motor comprising: a piezoelectric vibrator having a plurality of electrodes and a coupling surface which is pressed to a load; and a power supply selectively operable to electrify at least one vibrator electrode with time varying voltage to generate vibrations in the coupling surface that step the load to a desired position or to electrify at least one vibrator electrode with DC voltage to displace the coupling surface and move thereby the load to a desired position, which DC voltage the power supply maintains to maintain the load at the desired position.